

Title (en)

Method and apparatus for maximum a posteriori probability decoding

Title (de)

Verfahren und Vorrichtung zur Maximum-a-Posteriori Wahrscheinlichkeits-Dekodierung

Title (fr)

Procédé et dispositif pour le décodage à maximum de probabilité a posteriori

Publication

EP 1156588 B1 20070509 (EN)

Application

EP 99906532 A 19990301

Priority

JP 9900963 W 19990301

Abstract (en)

[origin: WO0052833A1] A method for decoding maximum posterior probability, comprising (1) calculating the N-th backward probability to the first backward probability in the reverse direction, discretely storing the ms-th backward probability, the m(s-1)-th backward probability, ..., and the m2-th backward probability, continuously storing the m1-th to first backward probabilities, calculating the first forward probability, finding the first decoding result by using the first forward probability and stored first backward probability, and similarly finding the second to m1-th decoding results, (2) then, calculating and storing the stored m2-th backward probability to the (m1+1)-th backward probability, calculating the (m1+1)-th forward probability, finding the (m1+1)-th decoding result by using the (m1+1)-th forward probability and the stored (m1+1)-th backward probability, and similarly finding the (m1+2)-th to m2-th decoding results, and (3) similarly finding the (m2+1)-th to N-th decoding results.

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP1724934A1; EP1367732A3; US7631248B2; US7107512B2; WO2006038829A1

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